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# Saltstone Operations

Presented to the  
SRS Citizens Advisory Board  
Waste Management Committee

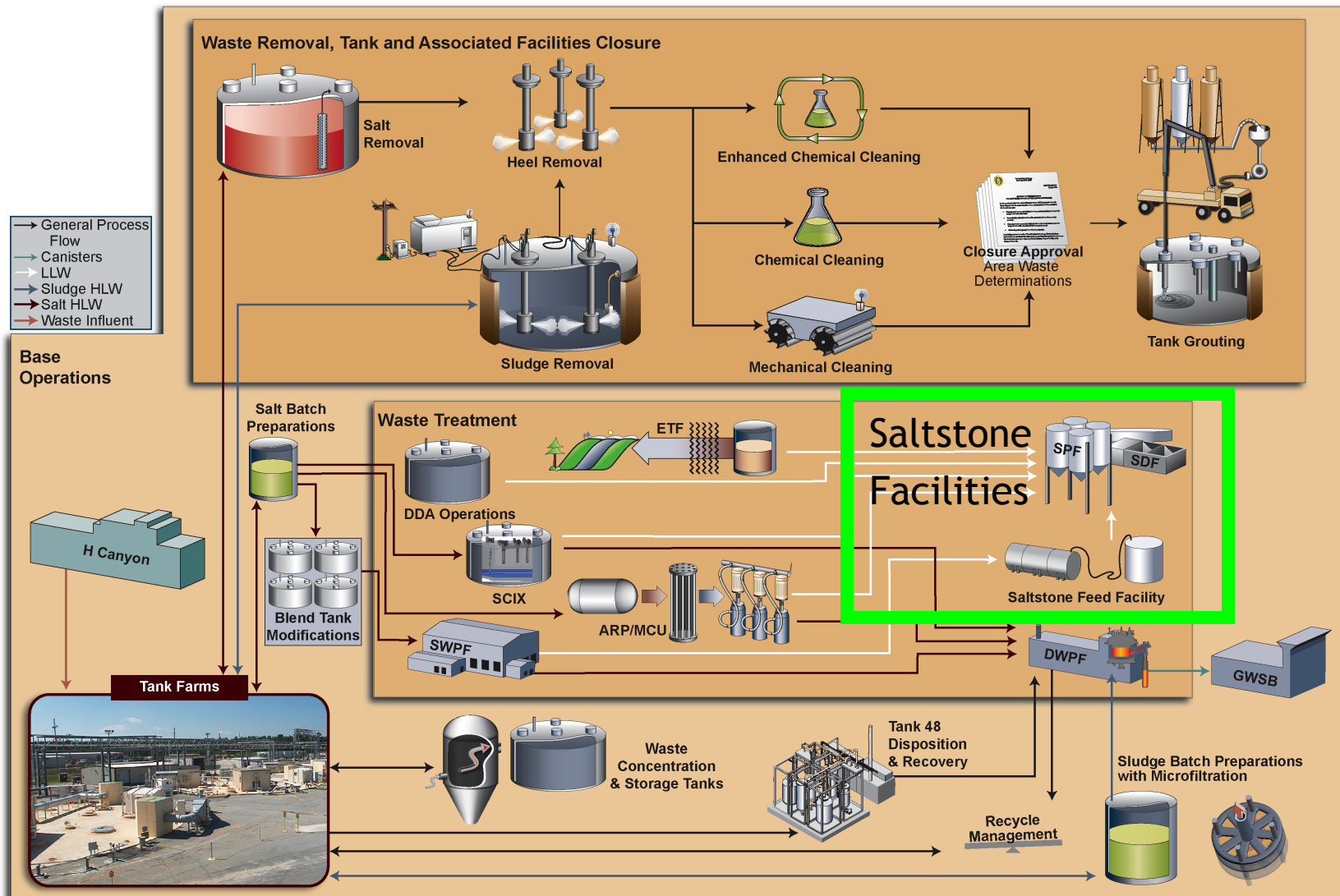


**Steve Wilkerson**  
**Savannah River Nuclear Solutions**  
**Waste Treatment Manager**  
**10/19/10**

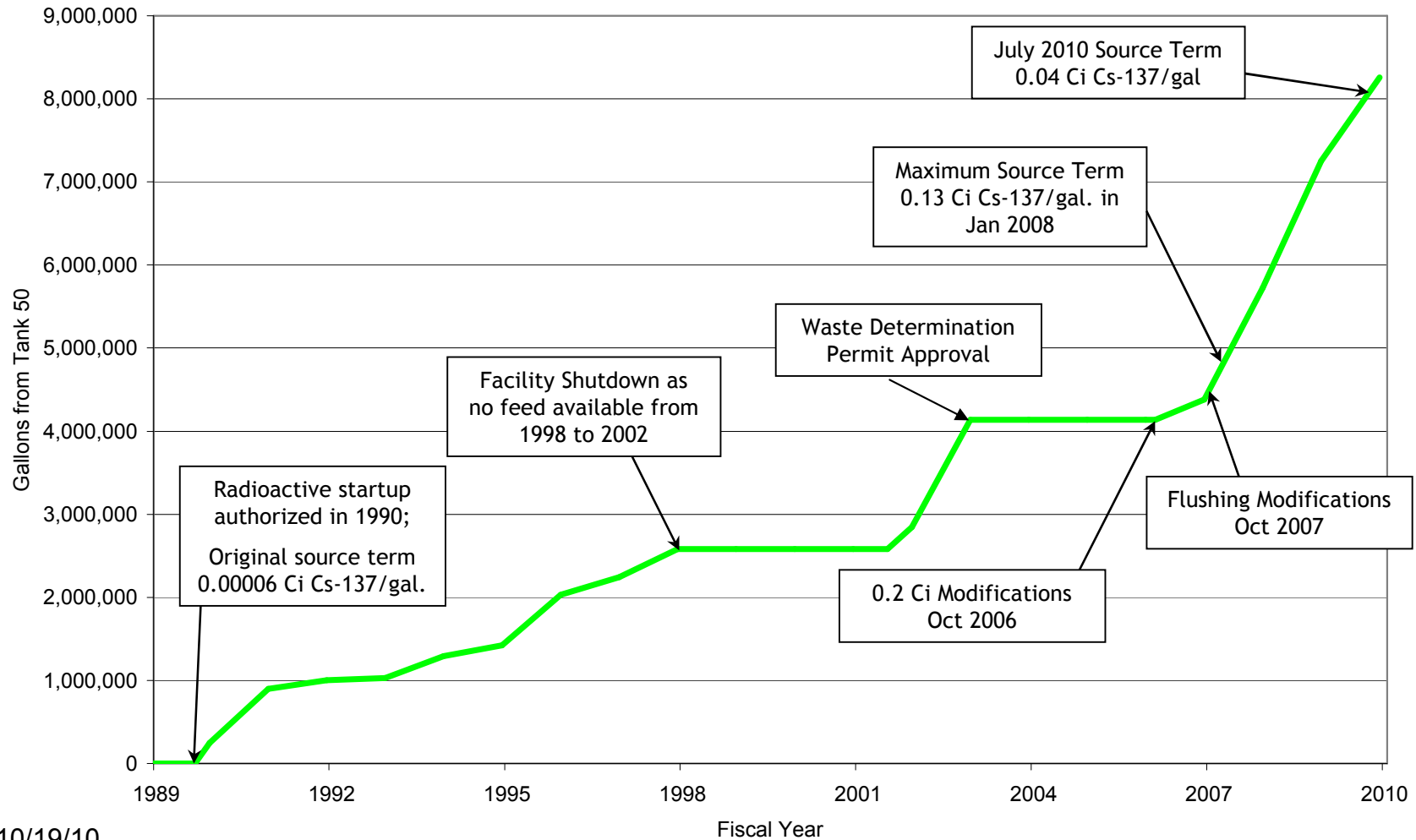
SRR-WTF-2010-00016

- Liquid Waste Flowsheet
- Operating History
- Process Overview
- Future Operations
- Recent Processing History
- FY11 Activities

# Liquid Waste Flowsheet

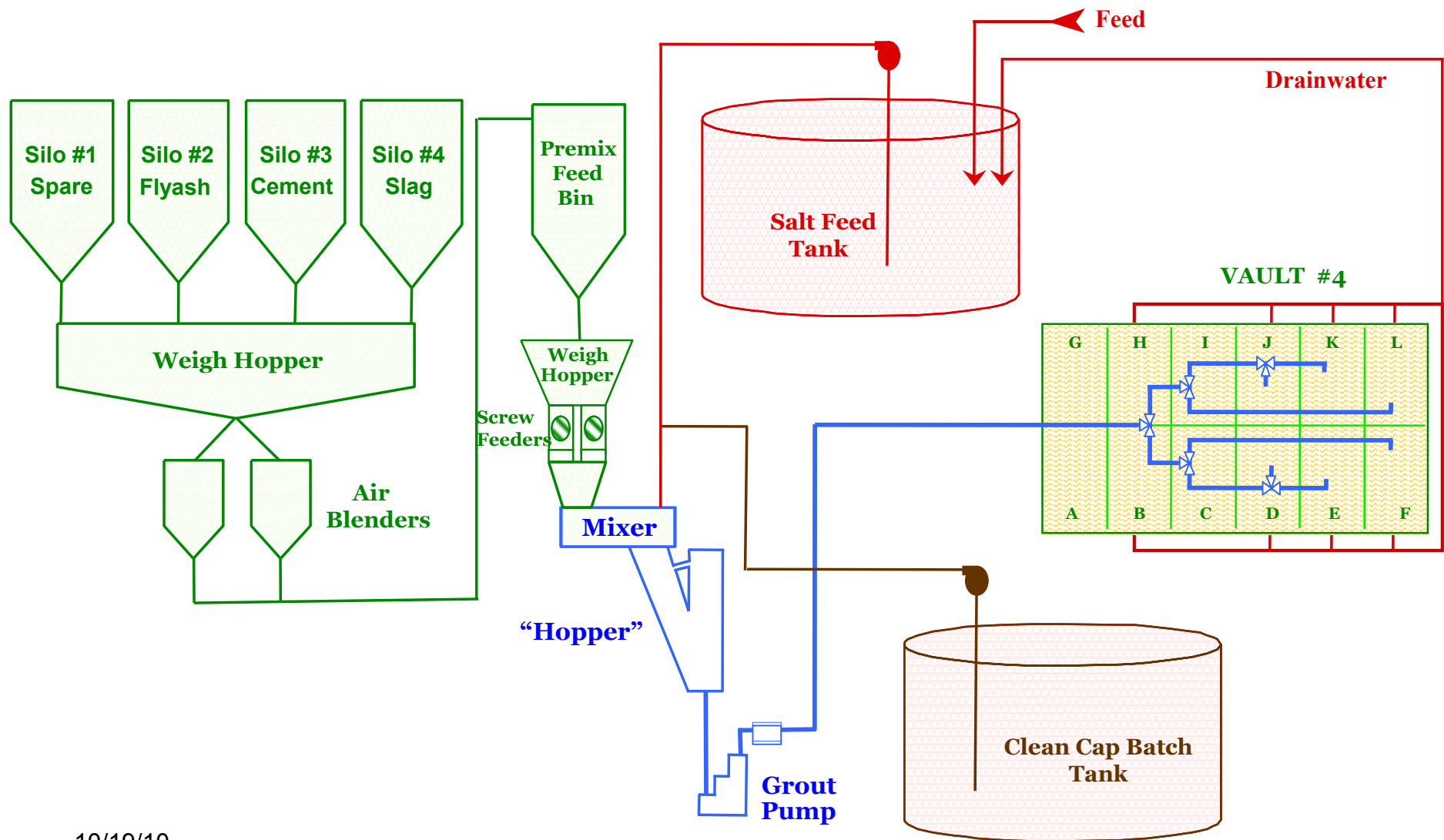


## Saltstone Processing



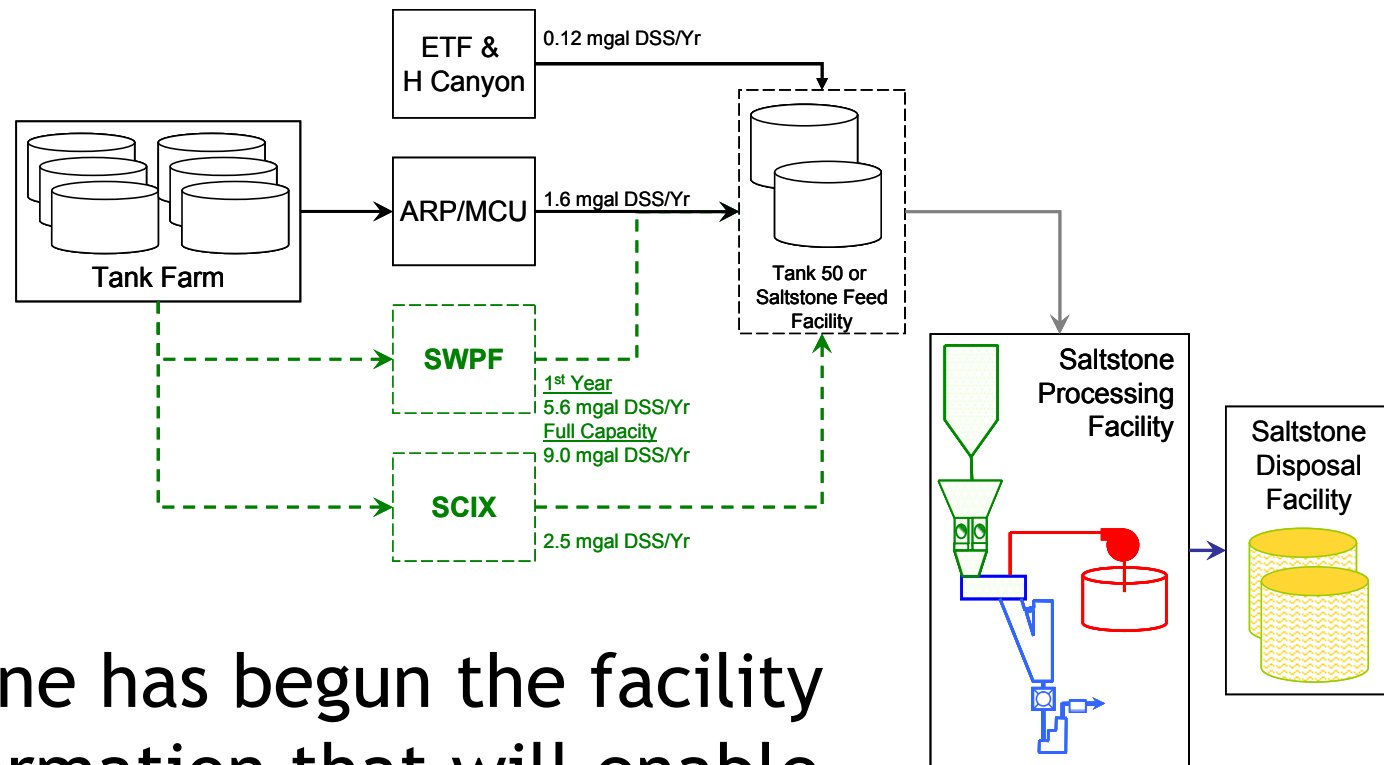
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# Saltstone Process



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# Future Operations



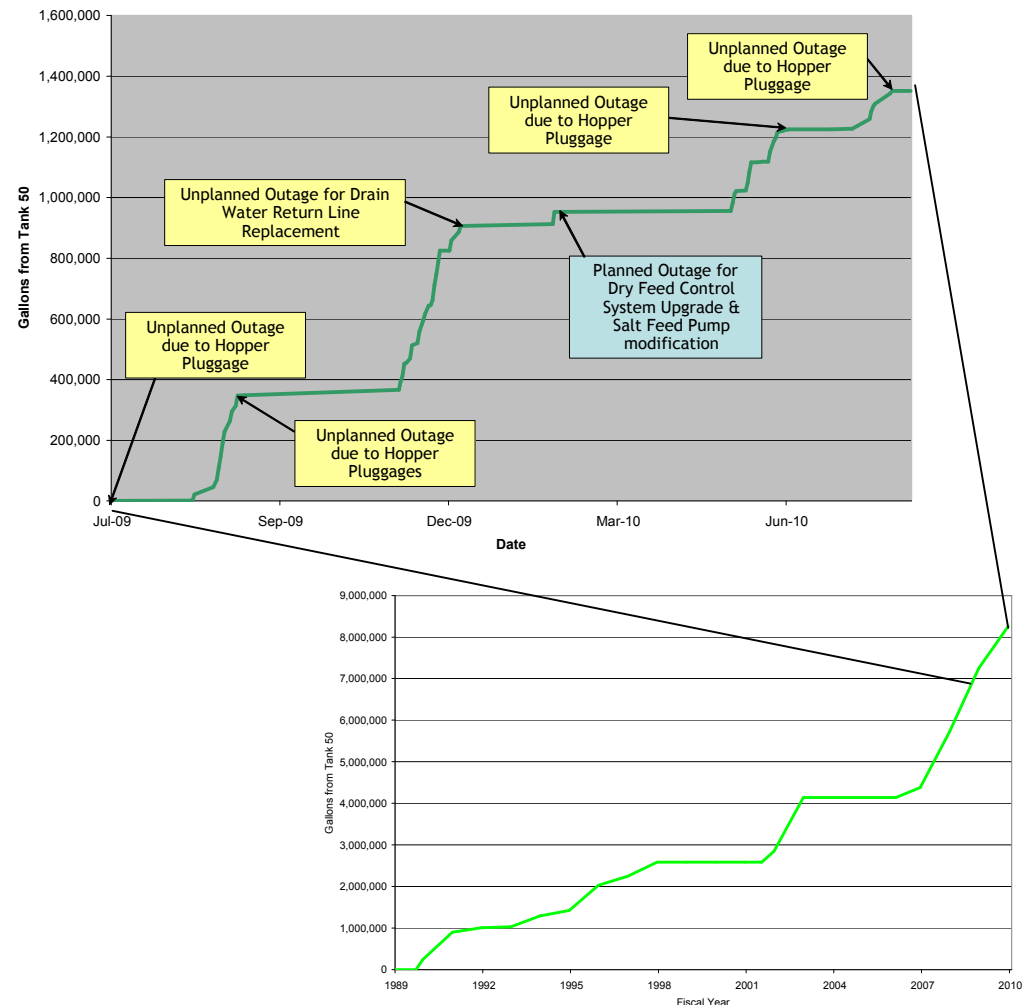
Saltstone has begun the facility transformation that will enable the continued fulfillment of all mission requirements.

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# Recent Processing History

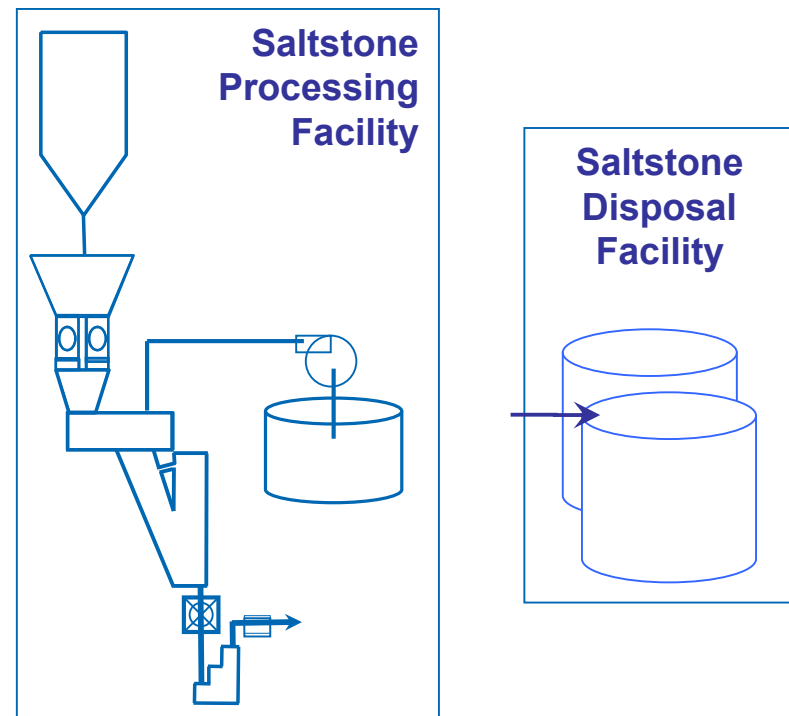
- Saltstone Production has fulfilled all Liquid Waste Mission requirements.
- Saltstone Production for the last 16 months has matched or exceeded historical performance.
- Waste processing has been intermittent due to both planned outages to install equipment upgrades and unplanned outages due to process pluggages.
- 0.2 Ci Modifications constrained operating margins to meet ALARA objectives.
- Future feed streams enable installation of alternate equipment designs.

**Saltstone Processing**



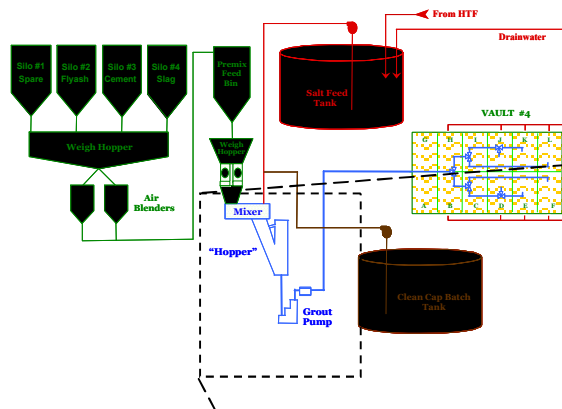
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- Enhancements to meet the needs of salt processing capacity with supplemental salt processing initiatives deployed
- Equipment Upgrades
  - Dry Feed Control System
  - Salt feed pump
  - Hopper redesign
  - Air compressors
  - Grout mixture optimization
- Support 24/7 operations



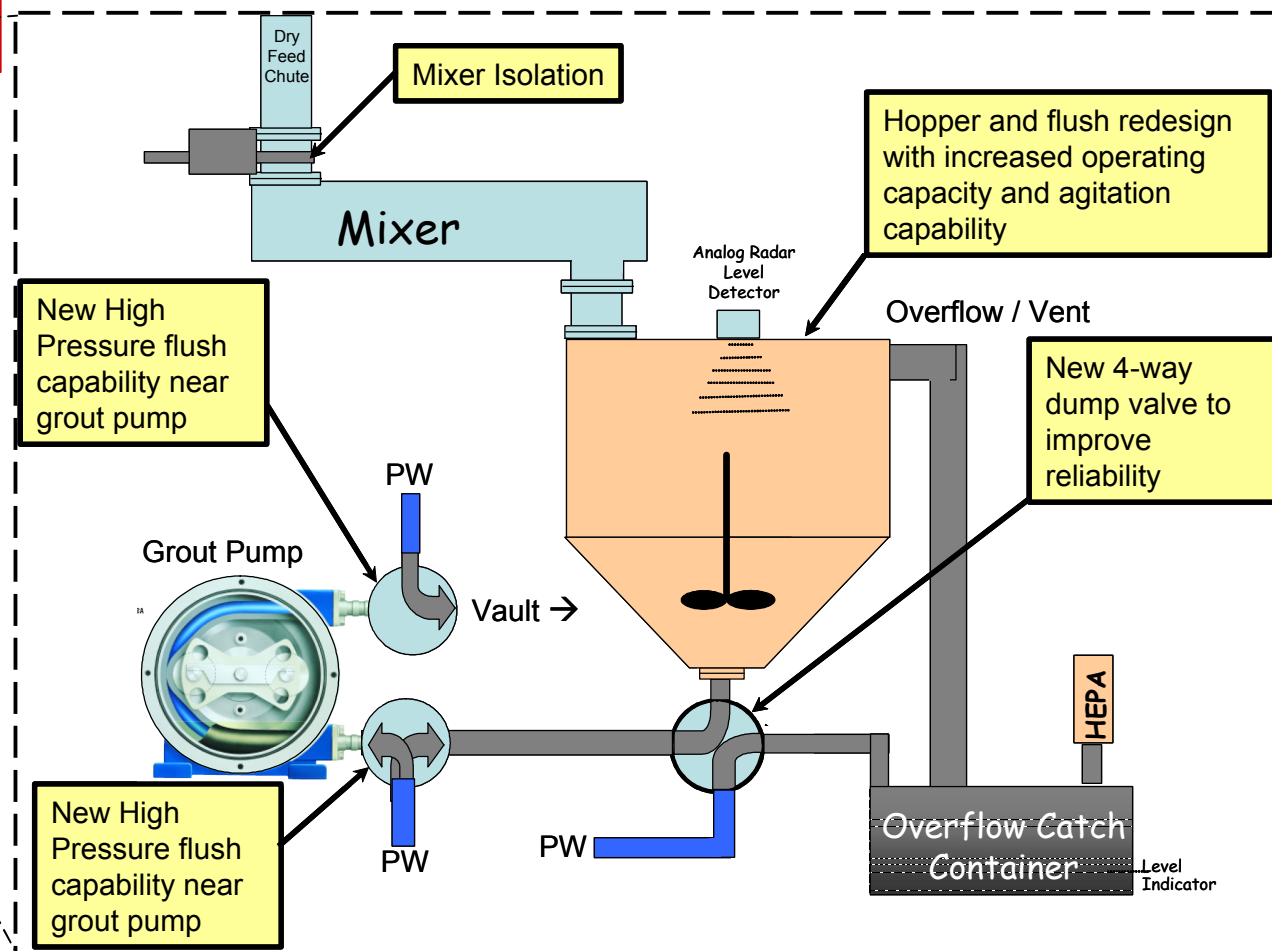
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- Planned improvements have been systematically reviewed and prioritized to achieve greatest increase in operating margin and reliability.
- Work scopes will be “outage ready” by the end of FY11 with installation in FY12.
- FY11 Operations will concentrate on refining control parameters using current equipment.

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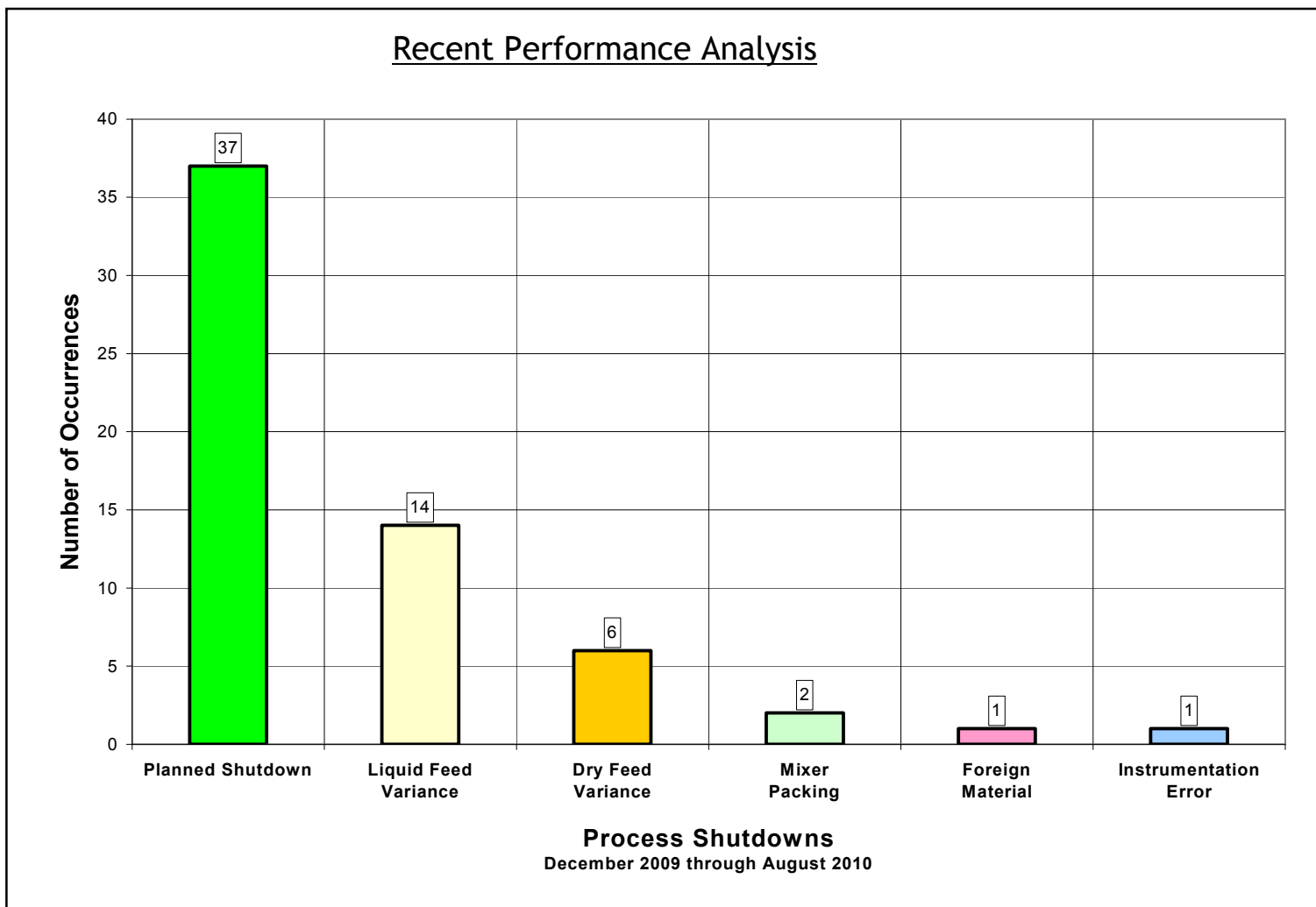


**Savannah River  
Remediation**

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# Back Up Information





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